

Appl. No. 10/617,055
Amdt. Dated May 24, 2006
Reply to Office Action Mailed Feb. 24, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (withdrawn): A system for monitoring material on shop floors, comprising:

- a central database;
- a central database server;
- at least one subsidiary company database;
- at least one subsidiary company database server;
- a material monitoring system server;
- a plurality of client computers; and
- a network interconnecting the central database, the central database server, the subsidiary company database, the subsidiary company database server, the material monitoring system server and the client computers, wherein:
 - the central database is used to gather material information and store two-dimensional graphics three-dimensional graphics and data tables;
 - the central database server is used to manage the central database;
 - the at least a subsidiary company database is used to store material data of a respective subsidiary company and connects with the central

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database via the respective subsidiary company database server, the network, and the central database server;

the at least a subsidiary company database server is used to manage the respective subsidiary company database;

the plurality of client computers connects with the material monitoring system server via the network so that users can search for production information from the client computers;

the material monitoring system server is used to invoke material information stored in the central database according to the plurality of client computers, the material monitoring system server further comprising:

an application program, which is used to display production information with a two-dimensional graphic or a three-dimensional graphic and which is used to display information on materials in a table.

Claim 2 (withdrawn): The system as described in claim 1, wherein the two-dimensional graphics or three-dimensional graphics are stored in the central database and comprise a worldwide graphic of a company, graphics of each individual country having a subsidiary company, graphics of each subsidiary company in each country, graphics of each workshop in each subsidiary company, and graphics of each line in each workshop.

Claim 3 (withdrawn): The system as described in claim 1, wherein the two-dimensional graphics or three-dimensional graphics stored in the central database comprise a plurality of position selection dots.

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Claim 4 (withdrawn): The system as described in claim 1, wherein the two-dimensional graphics or three-dimensional graphics stored in the central database comprise a plurality of magnification selection dots.

Claim 5 (withdrawn): The system as described in claim 1, wherein the application program comprises a graphic displaying module, which is used to display and refresh graphics according to selections made by users.

Claim 6 (withdrawn): The system as described in claim 5, wherein the graphic displaying module comprises a two-dimensional graphic displaying sub-module, which is used to display a two-dimensional graphic according to selections made by users.

Claim 7 (withdrawn): The system as described in claim 5, wherein the graphic displaying module comprises a three-dimensional graphic displaying sub-module, which is used to display a three-dimensional graphic according to selections made by users.

Claim 8 (withdrawn): The system as described in claim 1, wherein the application program comprises a graphic comparing module, which is used to compare the large scale graphic and the magnified graphic.

Claim 9 (withdrawn): The system as described in claim 1, wherein the application program comprises a graphic analyzing module, which is used to select and analyze the data stored in the central database according to selections made by users.

Claim 10 (withdrawn): The system as described in claim 1, wherein the application program comprises a data integrating module, which is used to integrate and classify data received and to display integrated data in a table.

Claim 11 (withdrawn): The system as described in claim 10, wherein the data integrating module comprises a data selection sub-module, which is used

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to select data stored in the central database according to the graphic displayed.

Claim 12 (withdrawn): The system as described in claim 10, wherein the data integrating module comprises a data output sub-module, which is used to gather the integrated data, generated tables needed, display the tables with the graphics, and feed back to the central database.

Claim 13 (withdrawn): The system as described in claim 10, wherein the data integrating module comprises a data transmission sub-module, which is used to transmit the data selected by the data selection sub-module to the data output sub-module for integrating, and to transmit the integrated data to the central database.

Claim 14 (currently amended): A method for monitoring material on shop floors, comprising the following steps:

(a) selecting a position from a large scale graphic;

displaying a magnified graphic depending on the position selection on the large scale graphic;

(b) refreshing and displaying the two graphics according to ~~the selection~~ selections on the two graphics;

(c) connecting with a central database to read ~~and transmit~~ relevant data on the two graphics to a data-integrating module;

(d) integrating and classifying the ~~transmitted~~ relevant data; and

(e) generating a table specific to the two graphics ~~graphic~~ based on the integrated and classified data.

Claim 15 (currently amended): The method as described in claim 14, wherein the graphic is one of ~~can be~~ a global graphic of a company, a graphic of a

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country, a graphic of a subsidiary company, ~~[[or]]~~ and a graphic of a workshop.

Claim 16 (currently amended): A method of monitoring material on shop floors of workshops of subsidiary companies of an enterprise, comprising the steps of:

selecting a country from a ~~global~~ large scale graphic displaying regional production worldwide by country of the enterprise;

~~magnifying~~ providing a magnified graphic for displaying regional production of the selected country;

tabling integrated data from a database to specify the production information of the selected country;

selecting one of said subsidiary companies from the magnified graphic ~~of the selected country~~;

~~magnifying~~ refreshing ~~[[a]]~~ the large scale graphic to display the selected country and the magnified graphic to display ~~[[of]]~~ the selected one of said subsidiary companies;

tabling integrated data from the database to specify the production information of the selected one of said subsidiary companies;

selecting one of said workshops ~~from~~ from the magnified graphic ~~of the selected one of said subsidiary companies~~;

~~magnifying~~ refreshing ~~[[a]]~~ the large scale graphic to display the selected one of said subsidiary companies and the magnified graphic to display ~~[[of]]~~ the selected one of said workshops;

tabling integrated data from the database to specify the production information of ~~said~~ the selected one of said workshops;

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selecting a product line from the magnified graphic ~~of the selected one of said workshops;~~

magnifying refreshing ~~[[a]]~~ the large scale graphic to display the selected one of said workshops and the magnified graphic to display of said the selected product line; and

tabling integrated data from the database to specify the production information of the product line.